



## SEQUENCE LISTING

<110> Huang, Lan-Qing  
Van Pel, Aline  
Brasseur, Francis  
De Plaen, Etienne  
Boon, Thierry

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<151> 1998-11-27

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agt	cag	cgc	tac	aag	gct	gag	gaa	ggc	ctt	cag	gcc	caa	gga	gag	gca	2261
Ser	Gln	Arg	Tyr	Lys	Ala	Glu	Glu	Gly	Leu	Gln	Ala	Gln	Gly	Glu	Ala	
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cca	ggg	ctt	atg	gat	gtg	cag	att	ccc	aca	gct	gag	gag	cag	aag	gct	2309
Pro	Gly	Leu	Met	Asp	Val	Gln	Ile	Pro	Thr	Ala	Glu	Glu	Gln	Lys	Ala	
		25					30						35			

gca	tcc	tcc	tcc	tct	act	ctg	atc	atg	gga	acc	ctt	gag	gag	gtg	act	2357
Ala	Ser	Ser	Ser	Ser	Thr	Leu	Ile	Met	Gly	Thr	Leu	Glu	Glu	Val	Thr	
		40					45					50				

gat	tct	ggg	tca	cca	agt	cct	ccc	cag	agt	cct	gag	ggt	gcc	tcc	tct	2405
Asp	Ser	Gly	Ser	Pro	Ser	Pro	Pro	Gln	Ser	Pro	Glu	Gly	Ala	Ser	Ser	
		55				60				65					70	

tcc	ctg	act	gtc	acc	gac	agc	act	ctg	tgg	agc	caa	tcc	gat	gag	ggt	2453
Ser	Leu	Thr	Val	Thr	Asp	Ser	Thr	Leu	Trp	Ser	Gln	Ser	Asp	Glu	Gly	
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Ser	Ser	Ser	Asn	Glu	Glu	Glu	Gly	Pro	Ser	Thr	Ser	Pro	Asp	Pro	Ala	
			90					95					100			

cac	ctg	gag	tcc	ctg	ttc	cgg	gaa	gca	ctt	gat	gag	aaa	gtg	gct	gag	2549
His	Leu	Glu	Ser	Leu	Phe	Arg	Glu	Ala	Leu	Asp	Glu	Lys	Val	Ala	Glu	
			105					110					115			

tta	gtt	cgt	ttc	ctg	ctc	cgc	aaa	tat	caa	att	aag	gag	ccg	gtc	aca	2597
Leu	Val	Arg	Phe	Leu	Leu	Arg	Lys	Tyr	Gln	Ile	Lys	Glu	Pro	Val	Thr	

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Lys Ala Glu Met Leu Glu Ser Val Ile Lys Asn Tyr Lys Asn His Phe			
135	140	145	150
cct gat atc ttc agc aaa gcc tct gag tgc atg cag gtg atc ttt ggc			2693
Pro Asp Ile Phe Ser Lys Ala Ser Glu Cys Met Gln Val Ile Phe Gly			
	155	160	165
att gat gtg aag gaa gtg gac cct gcc ggc cac tcc tac atc ctt gtc			2741
Ile Asp Val Lys Glu Val Asp Pro Ala Gly His Ser Tyr Ile Leu Val			
	170	175	180
acc tgc ctg ggc ctc tcc tat gat ggc ctg ctg ggt gat gat cag agt			2789
Thr Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asp Gln Ser			
	185	190	195
acg ccc aag acc ggc ctc ctg ata atc gtc ctg ggc atg atc tta atg			2837
Thr Pro Lys Thr Gly Leu Leu Ile Ile Val Leu Gly Met Ile Leu Met			
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Glu Gly Ser Arg Ala Pro Glu Glu Ala Ile Trp Glu Ala Leu Ser Val			
215	220	225	230
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Met Gly Ala Val			
	235		

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gaagaggctt	tgggagagga	gaaaggagtt	tgagcaggag	ttgcagctag	ggccagtggt	3180
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caacatagca	gtaaaatata	tgagataaag	acataaagaa	attaaacaat	agttaattct	3660
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atgaaattga	attaaatatg	aataaataag	tccccctgct	cactggctca	ttttttccca	3780
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tgaggtcttg	gtctgaggca
ctgaggtgg	gtttcccctg
acccacag	tcctggccct
ggaggctgca	ccctgagatg
gccaggaggt	caggaggccc
tcacagagca	60
tatgtatacc	120
accagcccct	180
ccctctcaat	240
cagagaagca	300



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acactctcct gctgccctga cctgagtcac c atg ctt ctt ggg cag aag agt	472
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Gly Leu Met Asp Val Gln Ile Pro Thr Ala Glu Glu Gln Lys Ala Ala	
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Ser Ser Ser Ser Thr Leu Ile Met Gly Thr Leu Glu Glu Val Thr Asp	
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Ser Gly Ser Pro Ser Pro Pro Gln Ser Pro Glu Gly Ala Ser Ser Ser	
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ctg act gtc acc gac agc act ctg tgg agc caa tcc gat gag ggt tcc	712
Leu Thr Val Thr Asp Ser Thr Leu Trp Ser Gln Ser Asp Glu Gly Ser	
75 80 85	
agc agc aat gaa gag gag ggg cca agc acc tcc ccg gac cca gct cac	760
Ser Ser Asn Glu Glu Glu Gly Pro Ser Thr Ser Pro Asp Pro Ala His	
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ctg gag tcc ctg ttc cgg gaa gca ctt gat gag aaa gtg gct gag tta	808
Leu Glu Ser Leu Phe Arg Glu Ala Leu Asp Glu Lys Val Ala Glu Leu	
105 110 115	
gtt cgt ttc ctg ctc cgc aaa tat caa att aag gag ccg gtc aca aag	856
Val Arg Phe Leu Leu Arg Lys Tyr Gln Ile Lys Glu Pro Val Thr Lys	
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gca gaa atg ctt gag agt gtc atc aaa aat tac aag aac cac ttt cct	904
Ala Glu Met Leu Glu Ser Val Ile Lys Asn Tyr Lys Asn His Phe Pro	
140 145 150	
gat atc ttc agc aaa gcc tct gag tgc atg cag gtg atc ttt ggc att	952
Asp Ile Phe Ser Lys Ala Ser Glu Cys Met Gln Val Ile Phe Gly Ile	
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Asp Val Lys Glu Val Asp Pro Ala Gly His Ser Tyr Ile Leu Val Thr	
170 175 180	
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Cys Leu Gly Leu Ser Tyr Asp Gly Leu Leu Gly Asp Asp Gln Ser Thr	
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Pro Lys Thr Gly Leu Leu Ile Ile Val Leu Gly Met Ile Leu Met Glu	
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Gly Ser Arg Ala Pro Glu Glu Ala Ile Trp Glu Ala Leu Ser Val Met	
220 225 230	

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Gly Ala Val

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aaggagaaga cctgtaagtt ggcctttgtt agaacctcca ggggtgtggt ctcagctgtg 240  
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acactcccac ctgctaccct gatcagagtc atc atg cct cga gct cca aag cgt 354  
Met Pro Arg Ala Pro Lys Arg  
1 5

cag cgc tgc atg cct gaa gaa gat ctt caa tcc caa agt gag aca cag 402  
Gln Arg Cys Met Pro Glu Glu Asp Leu Gln Ser Gln Ser Glu Thr Gln  
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ggc ctc gag ggt gca cag gct ccc ctg gct gtg gag gag gat gct tca 450  
Gly Leu Glu Gly Ala Gln Ala Pro Leu Ala Val Glu Glu Asp Ala Ser  
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tca tcc act tcc acc agc tcc tct ttt cca tcc tct ttt ccc tcc tcc 498  
Ser Ser Thr Ser Thr Ser Ser Ser Phe Pro Ser Ser Phe Pro Ser Ser  
40 45 50 55

tcc tct tcc tcc tcc tcc tcc tgc tat cct cta ata cca agc acc cca 546  
Ser Ser Ser Ser Ser Ser Ser Cys Tyr Pro Leu Ile Pro Ser Thr Pro  
60 65 70

gag gag gtt tct gct gat gat gag aca cca aat cct ccc cag agt gct 594  
Glu Glu Val Ser Ala Asp Asp Glu Thr Pro Asn Pro Pro Gln Ser Ala  
75 80 85

cag ata gcc tgc tcc tcc ccc tcg gtc gtt gct tcc ctt cca tta gat 642  
Gln Ile Ala Cys Ser Ser Pro Ser Val Val Ala Ser Leu Pro Leu Asp  
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Gln Ser Asp Glu Gly Ser Ser Ser Gln Lys Glu Glu Ser Pro Ser Thr	
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cta cag gtc ctg cca gac agt gag tct tta ccc aga agt gag ata gat	738
Leu Gln Val Leu Pro Asp Ser Glu Ser Leu Pro Arg Ser Glu Ile Asp	
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Glu Lys Val Thr Asp Leu Val Gln Phe Leu Leu Phe Lys Tyr Gln Met	
140 145 150	
aag gag ccg atc aca aag gca gaa ata ctg gag agt gtc ata aaa aat	834
Lys Glu Pro Ile Thr Lys Ala Glu Ile Leu Glu Ser Val Ile Lys Asn	
155 160 165	
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Tyr Glu Asp His Phe Pro Leu Leu Phe Ser Glu Ala Ser Glu Cys Met	
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